

**PATENT**  
01925-P0238A WWW/TMO

## **PRESSURE REDUCING VALVE**

### Abstract of the Disclosure

A pressure reducing valve includes a housing having a passage therein, a valve body disposed within the passage, and a piston slideably disposed within the passage. The valve body includes a wall arranged transverse to the passage and dividing the passage into an input side and an output side, the wall having a plurality of openings passing therethrough, a portion of the wall between the openings and facing the output side defining a sealing surface. The piston includes a channel passing longitudinally therethrough with a sealing ledge surrounding the channel on a first end, a flange surrounding the channel on a second end, and an annular shoulder surrounding the sealing ledge. Fluid pressure at the input side acts on the shoulder and biases the piston toward the output side and fluid pressure at the output side acts on the flange and biases the piston toward the input side.

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